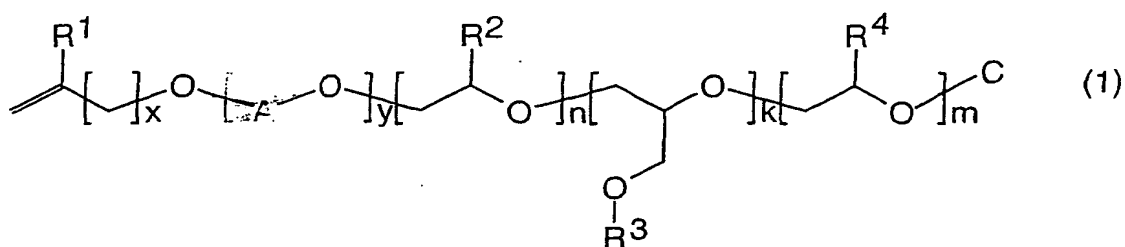


Claims:

1. A copolymer made of alkylene oxides and glycidyl ethers according to formula (I)

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in which

$\text{R}^1$  is hydrogen or a  $\text{C}_1$ - $\text{C}_4$ -alkyl radical,

10  $\text{R}^2$  and  $\text{R}^4$  are an alkyl or aryl radical having 1 to 30 carbon atoms,

$\text{R}^3$  is an alkyl or aryl radical having 1 to 50 carbon atoms which may also contain heteroatoms,

A is an alkylene unit having 2 to 6 carbon atoms,

x is a number from 0 to 10,

15 y is a number from 0 to 10,

n is a number from 0 to 100,

k is a number from 1 to 100,

C is an acid group or hydrogen, and

m is a number from 1 to 500,

20 with the proviso that  $(y+n)$  must be at least 1.

2. A copolymer as claimed in claim 1, in which C is the radical of a dibasic or tribasic acid.

25 3. A copolymer as claimed in claim 1 and/or 2, in which x is 0 or 1.

4. The use of copolymers as claimed in one or more of claims 1 to 3 as polymerizable emulsifiers in emulsion polymerization.